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October 9, 2003

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

SUBJECT:      Applicant: Nguyen et al.  
                  Serial No: 10/615,470  
                  Filed: July 8, 2003  
For:             TEXTILE ELECTRONIC CONNECTION SYSTEM  
Docket No:      FM-220J

Dear Sir:

Pursuant to 37 CFR 1.56, enclosed are an Information Disclosure Citation in an Application, Form PTO-A820, along with copies of six (6) references.

This Information Disclosure Citation is timely filed and should be considered as it is filed before the mailing date of the first Office Action on the merits of the subject application pursuant to 37 CFR §1.97(b)(3).

If at any time it appears that a TELEPHONE CONFERENCE with counsel would help advance prosecution, please telephone the undersigned or his associates, collect in Waltham, Massachusetts, at (781) 890-5678.

If any payment during prosecution is found to be incorrect, please charge any deficiency or credit any overpayment to my Deposit Account No. 09-0002. A copy of this letter is enclosed for use by the Finance Branch in the event that it is necessary to make any charge or credit to my deposit account.

Kindly acknowledge receipt of the foregoing by returning the enclosed self-addressed postcard.

Sincerely,  
  
Jason D. Shanske  
Reg. No. 43,915

JDS:lr  
Enclosures

Commissioner for Patents

October 9, 2003

Page 2



CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the U.S. Postal Service as first class mail with sufficient postage in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on October 9 - 2003.

Leslie Ruano  
Leslie Ruano

## INFORMATION DISCLOSURE CITATION

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ATTY DOCKET NO.

FM-220J

SERIAL NO.

10/615,470

Wilson-Nguyen et al.

FILING

July 8, 2003

GROUP

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	2,953,970	09-27-1960	Charles A. Maynard	88	113	
	2,963,535	12-6-1960	Wegener et al.	174	36	
	2,963,538	12-6-1960	Victor F. Dahlgren	174	117	
	2,997,521	08-22-1961	Victor F. Dahlgren	174	68.5	
	3,086,071	04-16-1963	Daniel S. Preston	174	117	
	3,229,030	01-11-1966	Max Baermann	174	117	
	3,247,755	04-26-1966	Walter P. Siegmund	88	1	
	3,288,175	11-29-1966	Emery I. Valko	139	425	
	3,371,250	02-27-1968	Ross et al.	317	101	
	3,414,666	12-3-1968	Doundoulakis et al.	174	68.5	
	3,473,872	10-21-1969	Shiro Okamura	355	1	

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
	EP 0 320 901 A2	21-06-89	Europe	B32B	15/08	✓	

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

		"Wearable Sensor Badge & Sensor JACKET for Context Awareness", Farrington et al., Philips Research Laboratories, Surrey, U.K., 1999 IEEE, pp. 107-113
		"Electric Suspenders: A Fabric Power Bus and Data Network for Wearable Digital Devices", Michael M. Gorlick, The Aerospace Corporation, El Segundo, California, 1999 IEEE, pp. 114-121

EXAMINER	DATE CONSIDERED
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July 8, 2003

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*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	3,507,321	04-21-1970	James R. Palma	165	46	
	3,551,585	12-29-1970	Smart et al.	174	72	
	3,711,627	01-16-1973	K. Avraamovich Maringulov	174	68.5	
	3,778,331	12-11-1973	Walter G. Scharf	161	67	
	3,926,360	12-16-1975	Douglas E. Moister, Jr.	228	180	
	4,031,284	06-21-1977	Glen E. Ingraham	428	222	
	4,106,677	08-15-1978	Helmsø, et al.	224	219	
	4,111,510	09-05-1978	Rudolf F. Zurcher	439	67	
	4,145,030	03-20-1979	Glen E. Ingraham	256	1	
	4,158,103	06-12-1979	Danilin et al.	174	68.5	
	4,191,800	03-04-1980	Kenneth A. Holtzman	442	233	

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

"Smart Fabric, or Washable Computing", E. Rehmi Post, Maggie Orth, MIT Media Laboratory, Cambridge, MA, 5 pages

"E-broidery: Design and fabrication of textile-based computing", by E.R. Post et al., IBM Systems Journal, Vol. 39, Nos 3&amp;4, 2000, pp. 840-860

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*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	4,196,355	04-01-1980	Gayle J. Maine	250	516	
	4,227,520	10-14-1980	Ronald D. Lord	128	201.24	
	4,229,615	10-21-1980	Orr, Jr. et al.	174	117.M	
	4,254,951	03-10-1981	Jan R. De Laney	273	1	
	4,281,237	07-28-1981	Allen V. Berenson	219	511	
	4,370,658	01-25-1983	Fred G. Hill	343	713	
	4,430,384	02-07-1984	Stephen George	428	377	
	4,452,847	06-05-1984	John T. Siemon	428	246	
	4,590,623	05-27-1986	Fern E. Kitchman	2	85	
	4,658,089	04-14-1987	Guzy et al.	174	113.R	
	4,670,351	06-02-1987	Keane et al.	428	549	

## FOREIGN PATENT DOCUMENTS

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						YES	NO

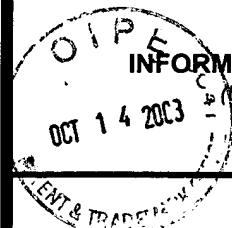
## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

"Intrabody Buses for Data and Power", E. Rhemi Post et al., MIT Media Laboratory, 1997 IEEE, pp. 52-55

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<b>INFORMATION DISCLOSURE CITATION</b> <small>(Use several sheets if necessary)</small> <i>OCT 14 2003</i>			ATTY DOCKET NO. <b>FM-220J</b>		SERIAL NO. <b>10/615,470</b>		
			<b>Wilson-Nguyen et al.</b>				
			FILING <b>July 8, 2003</b>	GROUP			
<b>U.S. PATENT DOCUMENTS</b>							
*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
	<b>4,684,762</b>	<b>08-04-1987</b>	<b>Harry F. Gladfelter</b>	<b>174</b>	<b>36</b>		
	<b>4,709,397</b>	<b>11-24-1987</b>	<b>Voshall et al.</b>	<b>383</b>	<b>5</b>		
	<b>4,735,847</b>	<b>04-05-1988</b>	<b>Fujiwara et al.</b>	<b>428</b>	<b>209</b>		
	<b>4,753,088</b>	<b>06-28-1988</b>	<b>Harrison et al.</b>	<b>66</b>	<b>202</b>		
	<b>4,761,005</b>	<b>08-02-1988</b>	<b>French et al.</b>	<b>273</b>	<b>1</b>		
	<b>4,803,096</b>	<b>02-07-1989</b>	<b>Kuhn et al.</b>	<b>427</b>	<b>121</b>		
	<b>4,814,585</b>	<b>03-21-1989</b>	<b>Dan Klein</b>	<b>219</b>	<b>545</b>		
	<b>4,851,613</b>	<b>07-25-1989</b>	<b>Roland Jacques</b>	<b>174</b>	<b>254</b>		
	<b>4,868,565</b>	<b>09-19-1989</b>	<b>Mettes et al.</b>	<b>340</b>	<b>854.9</b>		
	<b>4,875,144</b>	<b>10-17-1989</b>	<b>Harry L. Wainwright</b>	<b>362</b>	<b>103</b>		
	<b>4,877,646</b>	<b>10-31-1989</b>	<b>Kuhn et al.</b>	<b>427</b>	<b>121</b>		
<b>FOREIGN PATENT DOCUMENTS</b>							
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
<b>OTHER DOCUMENTS</b> <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i>							
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FM-220J

SERIAL NO.

10/615,470

Wilson-Nguyen et al.

FILING

July 8, 2003

GROUP

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*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	4,912,611	03-27-1990	Archie A. Lyle	362	156	
	4,913,978	04-03-1990	Klotz et al.	428	551	
	4,948,951	08-14-1990	Alfiero Balzano	219	528	
	4,983,452	01-08-1991	Daimon et al.	442	378	
	4,992,335	02-12-1991	Guerra et al.	428	518	
	5,008,517	04-16-1991	Brekkestran et al.	219	211	
	5,032,705	07-16-1991	Batcheller et al.	219	211	
	5,047,788	09-10-1991	Calvin W. Gillard	343	915	
	5,073,984	12-24-1991	Tone et al.	2	457	
	5,103,504	04-14-1992	Zoran Dordevic	2	243	
	5,126,920	06-30-1992	Cardashian et al.	361	398	

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Wilson-Nguyen et al.

FILING

July 8, 2003

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		5,140,131	08-18-1992	Macher et al.	219	211	
		5,316,830	05-31-1994	Adams, Jr. et al.	428	195	
		5,318,845	06-07-1994	Tanaka et al.	428	373	
		5,331,115	07-19-1994	Floyd Ysbrand	174	117.M	
		5,332,869	07-26-1994	Youichi Hagiwara	174	257	
		5,342,204	08-30-1994	Mathias Och	439	39	
		5,357,593	10-18-1994	Bossler	385	49	
		5,362,656	11-08-1994	John F. McMahon	437	21	
		5,371,326	12-06-1994	Clearwaters-Dreager et al.	174	128.1	
		5,393,928	02-28-1995	Cribb et al.	174	36	
		5,457,610	10-10-1995	Bernardoni et al.	361	816	

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July 8, 2003

GROUP

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*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5,499,927	03-19-1996	Ohno et al.	439	285	
	5,502,631	03-26-1996	Yoshio Adachi	361	760	
	5,523,528	06-04-1996	Bese et al.	174	36	
	5,531,405	07-02-1996	Joshua I. Goldberg	244	134.B	
	5,538,781	07-23-1996	Rao et al.	428	229	
	5,543,585	08-06-1996	Booth et al.	174	261	
	5,600,098	02-04-1997	Alexander Kazaks	174	135	
	5,674,752	10-07-1997	Buckley et al.	436	151	
	5,680,681	10-28-1997	Arthur Fuss	24	704.1	
	5,691,062	11-25-1997	Shalaby et al.	428	411.1	
	5,747,101	05-05-1998	Booth et al.	427	96	

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FILING

July 8, 2003

GROUP

**U.S. PATENT DOCUMENTS**

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5,763,058	06-09-1998	Isen et al.	428	209	
	5,774,341	06-30-1998	Urbish et al.	361	774	
	5,786,977	07-28-1998	Lenard Cohen	361	223	
	5,802,607	09-08-1998	Walter W. Triplett	2	1	
	5,829,987	11-03-1998	Fritsch et al.	439	38	
	5,832,296	11-03-1998	Wang et al.	710	3	
	5,837,624	11-17-1998	Sakaguchi et al.	442	208	
	5,876,430	03-02-1999	Shoberg et al.	607	122	
	5,883,364	03-16-1999	Frei et al.	219	535	
	5,906,004	05-25-1999	Lebby et al.	2	1	
	5,912,653	06-15-1999	Stephan J. Fitch	345	87	

**FOREIGN PATENT DOCUMENTS**

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	5,914,585	06-22-1999	Robert J. Grabon	320	125	
	5,914,660	06-22-1999	Mesibov et al.	340	573	
	5,926,144	07-20-1999	Bolanos et al.	343	718	
	5,931,764	08-03-1999	Freeman et al.	482	4	
	5,970,921	10-26-1999	Karen H. Fulton	119	858	
	5,989,120	11-23-1999	Joseph F. Truchsess	463	7	
	5,995,077	11-30-1999	Wilcox et al.	345	112	
	5,997,983	12-07-1999	Caron et al.	428	105	
	6,023,372	02-08-2000	Spitzer et al.	359	630	
	6,024,575	02-15-2000	Paul C. Ulrich	434	236	
	6,026,512	02-22-2000	David L. Banks	2	69	

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		<b>6,080,690</b>	<b>06-27-2000</b>	<b>Lebby et al.</b>	<b>442</b>	<b>209</b>	
		<b>6,097,607</b>	<b>08-01-2000</b>	<b>Carroll et al.</b>	<b>361</b>	<b>752</b>	
		<b>6,105,624</b>	<b>08-22-2000</b>	<b>Wildeman et al.</b>	<b>139</b>	<b>383.R</b>	
		<b>6,117,554</b>	<b>09-12-2000</b>	<b>Shalaby et al.</b>	<b>428</b>	<b>420</b>	
		<b>6,121,171</b>	<b>09-19-2000</b>	<b>Takahashi et al.</b>	<b>442</b>	<b>289</b>	
		<b>6,121,547</b>	<b>09-19-2000</b>	<b>Jiro Harada</b>	<b>174</b>	<b>36</b>	
		<b>6,126,572</b>	<b>10-03-2000</b>	<b>Carl M. Smith</b>	<b>482</b>	<b>4</b>	
		<b>6,128,004</b>	<b>10-03-2000</b>	<b>McDowall et al.</b>	<b>345</b>	<b>158</b>	
		<b>6,210,771</b>	<b>04-03-2001</b>	<b>Post et al.</b>	<b>428</b>	<b>100</b>	
		<b>6,231,516</b>	<b>05-15-2001</b>	<b>Keilman et al.</b>	<b>600</b>	<b>485</b>	
		<b>6,270,466</b>	<b>08-07-2001</b>	<b>Weinstein et al.</b>	<b>600</b>	<b>590</b>	

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				Applicant(s) <b>Wilson-Nguyen et al.</b>			
				Filing Date <b>July 8, 2003</b>		Group Art Unit	
<b>U.S. PATENT DOCUMENTS</b>							
*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		6,381,482	04-2002	Jayaraman et al.	600	388	
		6,341,550	01-2002	White, Eric	87	5	
		6,324,053	11-2001	Kamijo, Noboru	361	683	
		5,824,996	10-1998	Kochman et al.	219	529	
<b>FOREIGN PATENT DOCUMENTS</b>							
REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO
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